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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**RECEIVED**

JUN 16 2003

Technology Center 2100

Applicants: Sylvain SARDA

Serial No.: 09/455,408

Filed: December 6, 1999

For: METHOD FOR MODELLING FLUID FLOWS IN A  
FRACTURED MULTILAYER POROUS MEDIUM AND  
CORRELATIVE INTERACTIONS IN A PRODUCTION WELL

Group: 2123

Examiner: H. Day

**RESPONSE TO OFFICE COMMUNICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

June 12, 2003

Sir:

In response to the Office Communication dated June 9, 2003, submitted herewith is a replacement Amendment. The replacement Amendment is dated May 22, 2003 and contains the same identical matter the original May 22, 2003 Amendment contains. In the replacement Amendment, the claims have are marked with the Identifier (New) as requested in the June 9, 2003 Office Communication. The Substitute Specification, the redline version and the Request for Authorization to Amend the Drawings are not being submitted again.

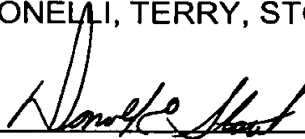
To the extent necessary, Applicants petition for an extension of time under 37 C.F.R. §1.136. Please charge any shortage in fees due in connection with the filing of this

paper, including extension of time fees, to Deposit Account No. 01-2135

(612.37806X00) and please credit any excess fees to such Deposit Account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

A handwritten signature in black ink, appearing to read "Donald E. Stout", is written over a horizontal line.

Donald E. Stout  
Registration No. 26,422  
(703) 312-6600

DES:dlh